Environmental Program-Specific Information - REF8012

A policy section should be added to Environmental Program- Specific Information – **REF8012** and should reference Cost Engineering Policy and General Requirements - ER 1110-1-1300, Construction Cost Estimates - EI 01D010, Remedy Cost Estimating Procedures Manual "A Guide to Developing and Documenting Remedial Alternative Cost Estimates During the Feasibility Study" (July 2000), Cost Engineering Regulation for HTRW - ER 1110-3-1301, and HTRW Work Breakdown Structure. Most of these are available on the web electronically. Cost is a big part of PMBP and customer satisfaction, the regulations should be referenced and followed. Response: The portal will contain a link to the website containing all the regulations.

There are no Data Checklists for Military or HTRW Sections, **REF8011** and **REF8012** and maybe there should be. Response: There will be a form created for initiating a project in P2. This form will contain the required elements for executing and upward reporting a project.

Scope

This document describes the Work Breakdown Structures, Milestones, and other reference information necessary to supplement the overall Project Delivery Processes of the environmental programs.

References

Management Guidance for the Defense Environmental Restoration Program (DERP), ODUSD(I&E), September 2001

FUDS Program Manual, EC 200-3-7 (soon to be ER 200-3-1)

Distribution

Program Manager (PgM)

Project Manager (PM)

Project Delivery Team (PDT)

Ownership

The BP/P2 Configuration Manager is responsible for ensuring that this document is necessary and that it reflects actual practice.

Environmental Programs

Environmental work (other than traditional Civil Works) that we execute can be grouped into two, namely "Restoration" and "Other," as follows:

Environmental Restoration:

a. Defense Environmental Restoration Program (DERP): Under DERP, there are three program categories, namely Installation Restoration (IR), Military Munitions Response (MMR), and Building Demolition and Debris Removal (BD/DR). To fund these program category activities, each Military Component uses its own Environmental Restoration (ER) account (i.e., ER-Army, ER-Air Force, ER-Navy, ER-Defense-wide) at the active installations, and uses BRAC-ER account at the closing or realigning installations. At the Formerly Used Defense Sites (FUDS), USACE uses ER-FUDS to fund these program categories activities. USACE groups these programs into four categories: Installation Restoration Program (IRP) for activities at the Army installations, BRAC-ER program for activities at the closing or realigning Army installations, Environmental Work For Others (EWFO) program for activities at all non-Army DOD installations, and FUDS program.

 b. Superfund Program: EPA tasks USACE under Inter-agency Agreement (IAG). USACE follows the Civil Works (CW) accounting procedures to manage IAG funding.

c. Environmental Support For Others (ESFO): All other non-DOD Federal Agency environmental restoration activities that USACE is undertaking under IAG. USACE follows the Civil Works (CW) accounting procedures to manage IAG funding.

NOTE: ESFO includes Superfund for manpower accounting purpose.

d. Formerly Utilized Sites Remedial Action Program (FUSRAP): USACE inherited this program from DOE. USACE budgets this program under the Civil Works Programming and Budgeting procedures.

Environmental work other than Environmental Restoration:

a. EQ (Environmental Quality) - Army's O&M program being executed with the OMA account. It consists of the Army's other three pillars, namely Compliance (VENC), Conservation (VENN), and Pollution Prevention (VEPP).

b. EWFO - DOD Components other than Army may task USACE environmental work other than environmental restoration.

c. ESFO - Non-DOD Federal Agencies may task USACE environmental work other than environmental restoration.

USACE Grouping of Environmental Program Categories

Program Category	Program Account	Funding Method	Environmental Pillar	Current CEFMS Cost Account (WCC)
IRP	ER-Army	Direct a/o MIPR	Restoration (ENVR)	72, 73, 74, & 75 Series
FUDS	ER-FUDS	Direct	Restoration (ENVR)	72, 73, 74, & 75 Series
BRAC-ER	BRAC-ER, Army	Direct	Restoration (ENVR)	72, 73, 74, & 75 Series
EWFO	ER-Other than Army	MIPR	Restoration	72, 73, 74, & 75

	BRAC-ER, other than Army		(ENVR)	Series
EQ	OMA	MIPR	Compliance (VENC) Prevention (VEPP) Conservation (VENN)	VENC – 76 Series VEPP – 77 Series VENN – 78 Series
Superfund	Civil Works	IAG		32, 33, 34, & 35 Series
ESFO	Civil Works	IAG		32, 33, 34, & 35 Series
FUSRAP	Civil Works	Direct		32, 33, 34, & 35 Series

Note: Funding is considered direct if the funds are transferred via Work Authorization Document and Funding Authorization Document (WAD/FAD). Reimbursable funding is either via Military Interdepartmental Purchase Request (MIPR) or Interagency Agreement (IAG).

Work Breakdown Structure (WBS)

CERCLA, RCRA, and EQ templates have been developed and are attached at the end of this document. Each WBS element in these templates is correlated with the corresponding work category code (WCC) in CEFMS. Each WBS will be augmented by "Activities" added by the PM. What does CERCLA, RCRA, and EQ? Recommend explaining this further because it is unclear. Response: see reworded document, added to glossary In addition, the WBS is much different from the civil and military WBS. Response: Yes, they are different. Team leads will evaluate for consistency.

Activities

At this time, PDT determines appropriate activities for each WBS, except the milestone activities. The standard activity list will be developed later.

Milestones

Milestone is an activity with zero duration for a WBS element. The start and end dates of each WBS are milestones. In addition, the following milestone activities should be added as appropriate for each WBS:

Work Authorization Document (WAD) Received

Start PMP development

PMP Approval

AE Contract Award

Environmental Baseline Study (EBS) Started

EBS Approved

BRAC Cleanup Plan version 1 (BCPv1) Started

BCPv1 Approved

BRAC Cleanup Plan version 2 (BCPv2) Started

BCPv2 Approved

Finding of Suitability to Transfer (FOST) Submitted

FOST Approved

Finding of Suitability to Lease (FOSL) Submitted

FOSL Approved

Draft Workplan Submitted

Final Workplan Approved

Draft Report Submitted

Final Report Approved

Decision Document Approved

Final Design Started

Final Design Complete / RTA

BCOE Certification

RA Announcement at the *Federal Business Opportunity web site[http://www.fedbizops.gov]*

Advertise for RA Contract

Open Bids

DO/Contract Awarded

Notice to Proceed (NTP) for RA contract

RA Completed / Remedy In Place (RIP)

Remedial Action Operation Started

Remedial Action Operation Completed / Response Complete (RC)

Financial Closeout

Project Closeout

Comment Fields

In P3e, notebook fields for capturing comment (text) information can be assigned at the project, WBS, or activity level (or at multiple levels). There will be five types of notebook fields for specific purposes as defined below:

Synopsis – A short project description (paragraph or less) used in reports, fact sheets, etc.

Detailed Project Scope – Complete details of the scope of the project as defined in the PMP or as provided by the customer. This field will be updated to reflect the current agreement with the customer on the scope of the project as the PMP is updated or revised.

Status – Brief status of the project for use in reports. (This field is NOT to be used to discuss project issues.)

Issues for Higher Headquarters/Customer – Issues to be included in upward reporting and reports to the customer.

Issues for Internal Use Only - Issues to be used within a district/center prior to their release to Higher Headquarters or the customer, such as issues to be addressed by the PRB. These issues may be resolved without release to Higher Headquarters or the customer.

WBS – CERCLA

CER			CERCLA
	CER.10000		Project Management
		CER.10000.72110	Project Management Plan
		CER.10000.72120	Data Maintenance & Reporting
		CER.10000.72160	Programming & Budget Documents
		CER.10000.72180	All Other
	CER.11000		Preliminary Assessments (PA)
		CER.11000.7221A	In-House Work Agreements
		CER.11000.7222A	AE & Professional Service Procurement
		CER.11000.7223A	AE & Professional Service Contracts

		CER.11000.7224A	AE Supervision & Review
		CER.11000.7226A	All Other
	CER.12000		Site Inspection (SI)
		CER.12000.7221B	In-House Work Agreements
		CER.12000.7222B	AE & Professional Service Procurement
		CER.12000.7223B	AE & Professional Service Contracts
		CER.12000.7224B	AE Supervision & Review
		CER.12000.7226B	All Other
	CER.13000		Preliminary Assessment & Site Inspection (PA/SI)
		CER.13000.7221C	In-House Work Agreements
		CER.13000.7222C	AE & Professional Service Procurement
		CER.13000.7223C	AE & Professional Service Contracts
		CER.13000.7224C	AE Supervision & Review
		CER.13000.7226C	All Other
	CER.14000		Remedial Investigations (RI)
		CER.14000.7221D	In-House Work Agreements
		CER.14000.7222D	AE & Professional Service Procurement
		CER.14000.7223D	AE & Professional Service Contracts
		CER.14000.7224D	AE Supervision & Review
		CER.14000.7226D	All Other
	CER.15000		Feasibility Studies (FS)
		CER.15000.7221E	In-House Work Agreements
		CER.15000.7222E	AE & Professional Service Procurement
		CER.15000.7223E	AE & Professional Service Contracts
		CER.15000.7224E	AE Supervision & Review

		CER.15000.7226E	All Other
	CER.16000		Remedial Investigations & Feasibility Studies (RI/FS)
		CER.16000.7221F	In-House Work Agreements
		CER.16000.7222F	AE & Professional Service Procurement
		CER.16000.7223F	AE & Professional Service Contracts
		CER.16000.7224F	AE Supervision & Review
		CER.16000.7226F	All Other
	CER.17000		Engineering Evaluation & Cost Analysis (EE/CA)
		CER.17000.7221G	In-House Work Agreements
		CER.17000.7222G	AE & Professional Service Procurement
		CER.17000.7223G	AE & Professional Service Contracts
		CER.17000.7224G	AE Supervision & Review
		CER.17000.7226G	All Other
	CER.18000		Potential Responsible Party (PRP)
		CER.18000.7221Y	In-House Work Agreements
		CER.18000.7222Y	AE & Professional Service Procurement
		CER.18000.7223Y	AE & Professional Service Contracts
		CER.18000.7224Y	AE Supervision & Review
		CER.18000.7226Y	All Other
	CER.19000		Remedial Design (RD)
		CER.19000.72310	In-House Work Agreements
		CER.19000.72320	AE & Professional Service Procurement
		CER.19000.72330	AE & Professional Service Contracts
		CER.19000.72340	AE Supervision & Review

		CER.19000.72360	Value Engineering
		CER.19000.72370	All Other
	CER.20000		Remedial Action Construction (RA-C) - Except Rapid Response
		CER.20000.73100	Work Agreements
		CER.20000.73200	Engineering During Construction (EDC)
		CER.20000.73300	Supervision & Administration (S&A)
	CER.21000		Interim Removal Action (IRA)
		CER.21000.73100	Work Agreements
		CER.21000.73200	Engineering During Construction (EDC)
		CER.21000.73300	Supervision & Administration (S&A)
	CER.22000		Rapid Response
		CER.22000.7R100	Work Agreements
		CER.22000.7R200	Engineering During Construction (EDC)
		CER.22000.7R300	Supervision & Administration (S&A)
	CER.23000		Remedial Action Operation (RA-O)
		CER.23000.74210	O&M Planning Documents
		CER.23000.74220	O&M Execution Documents
		CER.23000.74230	Operation & Maintenance
	CER.24000		Long-Term Monitoring (LTM)
		CER.24000.74230	Long-Term Monitoring (LTM)
	CER.25000		Fiscal/Financial Closeout Activities
		CER.25000.74110	Work Agreements
		CER.25000.74120	Closed Financial Accounts (DD1149)
	CER.30000		Real Estate Analyses/Documents

WBS – RCRA

RCR			RCRA
	RCR.10000		Project Management
		RCR.10000.72110	Project Management Plan
		RCR.10000.72120	Data Maintenance & Reporting
		RCR.10000.72160	Programming & Budget Documents
		RCR.10000.72180	All Other
	RCR.11000		RCRA Facility Assessment (RFA)
		RCR.11000.7221I	In-House Work Agreements
		RCR.11000.7222I	AE & Professional Service Procurement
		RCR.11000.7223I	AE & Professional Service Contracts
		RCR.11000.7224I	AE Supervision & Review
		RCR.11000.7226I	All Other
	RCR.12000		RCRA Facility Investigations (RFI)
		RCR.12000.7221J	In-House Work Agreements
		RCR.12000.7222J	AE & Professional Service Procurement
		RCR.12000.7223J	AE & Professional Service Contracts
		RCR.12000.7224J	AE Supervision & Review
		RCR.12000.7226J	All Other
	RCR.13000		RCRA Corrective Measures Studies (CMS)
		RCR.13000.7221K	In-House Work Agreements
		RCR.13000.7222K	AE & Professional Service Procurement

		RCR.13000.7223K	AE & Professional Service Contracts
		RCR.13000.7224K	AE Supervision & Review
		RCR.13000.7226K	All Other
	RCR.14000		Corrective Measures Implementation Design (CMI-Design)
		RCR.14000.72310	In-House Work Agreements
		RCR.14000.72320	AE & Professional Service Procurement
		RCR.14000.72330	AE & Professional Service Contracts
		RCR.14000.72340	AE Supervision & Review
		RCR.14000.72360	Value Engineering
		RCR.14000.72370	All Other
	RCR.15000		Corrective Measures Implementation Construction (CMI-Constr)
		RCR.15000.73100	Work Agreements
		RCR.15000.73200	Engineering During Construction (EDC)
		RCR.15000.73300	Supervision & Administration (S&A)
	RCR.16000		Long Term Operation (LTO)
		RCR.16000.74210	O&M Planning Documents
		RCR.16000.74220	O&M Execution Documents
		RCR.16000.74230	Post-Construction O&M
	RCR.17000		Fiscal/Financial Closeout Activities
		RCR.17000.74110	Work Agreements
		RCR.17000.74120	Closed Financial Accounts (DD Form 1149)
	RCR.30000		Real Estate Analyses/Documents

WBS – EQ (Compliance – Non-Environmental)

76100		ENVIRONMENTAL COMPLIANCE (SUMMARY ACCOUNT)*
76110		Recurring Compliance
	76111	Administration
	76112	Project Management Plan
	76113	Data Maintenance and Reporting
	76114	Education and Training
	76115	Permits and Fees
	76116	Sampling, Analysis, and Monitoring
	76117	Other Recurring Compliance
76210		Water Quality
	76211	Wastewater
	76212	Stormwater
	76213	Safe Drinking Water
76310		Clean Air
	76311	Stack Sampling
	76312	Emissions Estimating
	76313	Radon Assessment
	76314	Radon Mitigation
76410		Hazardous Waste
	76411	Hazardous Waste Disposal
	76412	Lead-based Paint Assessment
	76413	Lead-based Paint Removal

76510			Underground Storage Tanks
		76511	UST Inventories
		76512	UST Removals/Replacements
76610			Solid Waste
		76611	Landfill Monitoring
		76612	Landfill Design
		76613	Landfill Closure Plan
		76614	Landfill Construction
76710			Planning
		76711	NEPA Documentation
76810			Noise
76910			Other Compliance
		76911	Multi-Media Assessments
		76912	Asbestos
		76913	Nuclear
		76914	Overseas Cleanup
		76915	Non-DERA Environmental Cleanup

WBS – EQ (Pollution Prevention – Non-Environmental)

77100			POLLUTION PREVENTION (SUMMARY ACCOUNT)*
77110			Recurring Pollution Prevention
		77111	Administration
		77112	Project Management Plan

	77113	Data Maintenance and Reporting
	77114	Other Recurring Pollution Prevention
77112		Recycling Center Operations
77210		HSMS
77310		RCRA C – Hazardous Waste Reduction
	77311	Waste Reduction Initiatives
77410		RCRA D – Solid Waste Reduction
	77411	Waste Reduction Initiatives
77510		Air Quality
	77511	Ozone Depleting Chemicals
77610		Water Quality
	77611	Wastewater
	77612	Stormwater
	77613	Safe Drinking Water
77710		ECAS
77810		Other Pollution Prevention
	77812	EPCRA Requirements and Assessment
	77813	P2 Management Plans
	77814	Review of Military Specifications and Standards

WBS – EQ (Conservation – Non-Environmental)

78100		ENVIRONMENTAL CONSERVATION (SUMMARY ACCOUNT)*
78110		Recurring Natural and Cultural Resources
	78111	Administration
	78112	Project Management Plan

	78113	Data Maintenance and Reporting
	78114	Other Recurring Conservation
78210		Natural Resources Management
	78211	Natural Resources Planning Level Surveys
	78212	Integrated Natural Resources Management Plans (INRMP)
78310		Threatened and Endangered Species
	78311	Inventories and Surveys
	78312	Section 7 Consultation
	78313	Endangered Species Management Plan (ESMP)
	78314	Execution of ESMP
	78315	Execution of Biological Opinion Recommendations
78410		Wetlands and Runoff
	78411	Wetlands Protection
	78412	Erosion and Sediment Control
78510		Cultural Resources Management
	78511	Cultural Resources Planning Level Surveys
	78512	Integrated Cultural Resources Management Plans
	78513	Historic Properties
	78514	Native American Graves Protection and Repatriation
	78515	Curation
78610		Revenue-Generating Activities
	78611	Forest Products Production Areas
	78612	Administrative Expenses of Timber Disposal (USACE ONLY)
	78613	Agricultural/Grazing Outlease

	78614	Administrative Expenses of Agriculture/Grazing Outlease (USACE ONLY)
78710		Pest Management